



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION S	ee Form PCT/IPEA/416					
S 3527 ·	•						
International application No.	International filing date (day/month)	•					
PCT/SE 2002/002401	19.12.2002	25.01.2002					
International Patent Classification (IPC) or national classification and IPC							
B04B 1/00, B04B 5/00,	F01M 11/03, F01M 1	3/04 // B01D 45/12					
Applicant							
ALFA LAVAL CORPORATE	AB et al						
1. This report is the international pre	liminary examination report, establish ansmitted to the applicant according t	ned by this International Preliminary Examining					
•							
2. This REPORT consists of a total of		mis cover sheet.					
3. This report is also accompanied by	y ANNEXES, comprising:						
a. (sent to the applicant	and to the International Bureau) a to	tal of sheets, as follows:					
sheets of the	description claims and/or drawings w	hich have been amended and are the basis of this report					
	containing rectifications authorized by Instructions).	y this Authority (see Rule 70.16 and Section 607 of the					
sheets which	supersede earlier sheets, but which th	is Authority considers contain an amendment that goes					
beyond the di	sclosure in the international applicati	on as filed, as indicated in item 4 of Box No. I and the					
Supplemental		_					
b (sent to the Internation	onal Bureau only) a total of (indicate	type and number of electronic carrier(s))					
	, containing a sequen	ce listing and/or tables related thereto, in computer					
readable form only, a Administrative Instru	is indicated in the Supplemental Box actions).	Relating to Sequence Listing (see Section 802 of the					
This report contains indications re	elating to the following items:	·					
_	f the report						
Box No. II Priority	_	•					
		novelty, inventive step and industrial applicability					
I <u>L</u>		novelly, mived to step and a series of the s					
	funity of invention						
Box No. V Reason	ed statement under Article 35(2) with bility; citations and explanations supp	regard to novelty, inventive step or industrial					
, — — — — — — — — — — — — — — — — — — —	documents cited						
	defects in the international application	on.					
1 1	observations on the international app	•					
Box No. VIII Ceruini	observations on the international of						
Date of submission of the demand	Date of co	ompletion of this report					
16.06.2003	25.03	.2004					
Name and mailing address of the IPEA/S	E Authorize	d officer					
Patent- och registreringsverket							
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Form PCT/IPEA/409 (cover sheet) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

 Inter	l application No.	
 PCT/SE	2002/002401	

Box	No. I	Bas	sis of the report			
1.	 With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. 					
		This rep	ort is based on a translation from the original language into the following language, sthe language of a translation furnished for the purposes of:			
	•	П	international search (under Rules 12.3 and 23.1(b))			
		П	publication of the international application (under Rule 12.4)			
		Ħ	international preliminary examination (under Rules 55.2 and/or 55.3)			
2.	furnish	hed to the re not an	o the elements of the international application, this report is based on (replacement sheets which have been e receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" nexed to this report):			
•	\boxtimes	the inte	emational application as originally filed/furnished			
		the des	cription:			
		pages	as originally filed/furnished			
		pages*				
-	Ш	the clai	ims: as originally filed/furnished			
		pages	1.1(4, 4) with any statement) under Article 10			
		pages*	- I but this Anthority on			
		pages*	· • • • • • • • • • • • • • • • • • • •			
		the dra				
		pages	as originally filed/furnished			
		pages*	received by this Authority on			
		pages*	11 (1			
		a sequ	ence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.			
3.		The an	nendments have resulted in the cancellation of:			
			the description, pages			
			the claims, Nos.			
		$\overline{\Box}$	the drawings, sheets/figs			
		$\overline{\Box}$	the sequence listing (specify):			
			any table(s) related to the sequence listing (specify):			
4.		This r made, 70.2(c				
			the description, pages			
			the claims, Nos.			
			the drawings, sheets/figs			
		同	the sequence listing (specify):			
			any table(s) related to the sequence listing (specify):			
*	If iten	n 4 appli	ies, some or all of those sheets may be marked "superseded."			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Intermedial application No.

PCT/SE 2002/002401

Во	x No. V Reasoned statement citations and explan	t under Article 3 nations supporti	(2) with regard to novelty g such statement	y, inventive step or industrial applicab	ility;
1.	Statement			•	
	Novelty (N)	Claims	1-8		YES
		Claims	•		NO
	Inventive step (IS)	Claims	1-8		YES
		Claims			мо
	Industrial applicability (IA)	Claims	1-8		YES
		Claims			NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: WO 9956883 A1 D2: DE 19914166 A1 D3: EP 1217183 A1

The cited documents represent the general state of the art.

The invention defined in claims 1-8 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed apparatus for simultaneous cleaning of a liquid and a gas. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-8 is novel and is considered to involve an inventive step. The invention is industrially applicable.